Sphingle 1	or Form 144	9/PTO			Complete if	Known	
\			ION DISCLOSU	DE	Application Number	10/663,167	
· ·	Shiai Oi	IIVI/\	IOI4 DISCEOSO		Filing Date	September 15, 2003	
H 1 0 2003	ESTAT	EMEN	ION DISCLOSU IT BY APPLICA any sheets as necessary)	NT	First Named Inventor:	Harry Bims	
	ş	(use as ma	any sheets as necessary)	•	Art Unit To be assign		
PADEMARY	7			•	Examiner Name INDER MERRATe be assigned		
Sh t	1		of	5	Attorney Docket Number	005878.P012X	
			U.S. PAT	ENT DOCUMENTS			
Examiner nitials*	Cite No.11		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	-Kind Code ² (If known)				
IM		US-	5,479,400	12-26-1995	Dilworth et al.		
IM		US	5,815,811	09-29-1998	Pinard et al.		
TM		US-	5,903,834	05-11-1999	Wallstedt et al.		
IM		us	5,979,757	11-09-1999	Tracy et al.	,	
· IM		US-	6,002,918	12-14-1999	Heiman et al.		
IM	•	US-	6,067,297	05-23-2000	Beach		
IM		us-	6,084,528	07-04-2000	Beach et al.		
IM		US	6,178,426 B1	01-23-2001	Klein et al.		
IM		US	6,188,681 B1	02-13-2001	Vesuna		
IM		us	6,199,753 B1	03-13-2001	Tracy et al.		
IM		us	6,404,772 B1	06-11-2002	Beach et al.		
IM		U\$-	6,405,049 B2	06-11-2002	Herrod et al.	Y	
IM		. US-	6,411,608 B2	06-25-2002	Sharony		
IM		`US-	6,594,475 B1	07-15-2003	Anvekar et al.	•	
	· · · · · · · · · · · · · · · · · · ·	1 110					

<u> </u>		FC	DREIGN PATEN	T DOCUMENTS		••
Examiner Initials*	Cite No.1	Country Code' Number' Kind Code' (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T•
\mathcal{L}	(\$)'	WO 96/22636	07-25-1996	MacNamee	<u> </u>	
MED						
14.					'	
				•	<u> </u>	

	<u> </u>			
Examiner	/Inder Mehra/		Date Considered	08/21/2006
Signature	, , , , , , , , , , , , , , , , , , , ,	•	1	,,,

*EXAMINÉR: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Pat nts, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute	for Form 1	449/P	то		Сотр	lete if Known					
	VIEO BI	ΠΔΝ	TION DISCLOSE	IRE	Application Number	10/663,167					
					Filing Date	September 15, 2003					
5	TATE!	ME	NT BY APPLICA	NT	First Named Inventor:	Harry'Bims					
120V 1 0 20	B & (a	se as i	many sheets as necessary)		Art Unit	To be assigned 2617 .					
	<i>[8]</i>				Examiner Name	To be assigned INDER MEHRA					
CORP.	***		of	5	Attorney Docket Number	005878.P012X					
	U.S. PATENT DOCUMENTS										
Examiner Initials*	Cite No.		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
		Num	ber-Kind Code ² (If known)								
IM		US-	4,534,061	08-06-1985	Ulug						
IM		US	5,461,627	10-24-1995	Rypinski						
IM		US	5,507,035	04-09-1996	Bantz et al.						
IM		υs	5,594,731	01-14-1997	Reissner						
· IM		US-	5,636,220	06-03-1997	Vook et al.						
IM		US-	5,717,688	02-10-1998	Belanger et al.						
IM		υs	5,774,461	06-30-1998	Hyden et al.						
IM		US-	5,825,776	10-20-1998	Moon	· ·					
ТМ		υs	5,862,481	01-19-1999	Kulkarni et al.						
IM		US-	5,875,186	02-23-1999	Belanger et al.						
IM		US-	5,923,702	07-13-1999	Brenner et al.						
IM		US-	5,987,062	11-16-1999	Engwer et al.						
IM		us-	5,991,287	11-23-1999	Diepstraten et al.						
IM		US-	6,038,448	03-14-2000	Chheda et al.						
IM		UŞ-	6,058,106	05-02-2000	Cudak et al.						

Examiner	Cite	Foreign Patent Document		Publication		Name of Patentee or				s, Columns, .	. I T∘	
Initials*	No.'	Country Code' Number	r ^s Kind Code ^s (if known)	Date MM-DD-Y		A	pplicant o	f Cited Do	cument	Passa	, Where Relevan ages or Relevant es Appear	11
							•		•	-		
					•		-			\neg	•	7
-		<u> </u>										\neg

Examiner	/Inder Mehra/	Date Considered	20 /07 /00
Signature	/ Inder Menra/		08/21/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.goy or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST: 16 if possible. *Applicant is to place a check mark here if English language translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: C mmissi ner f r Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in c mpleting the f rm, call 1-800-PTO-9199 (1-800-785-9199) and select option 2.

Substitute	for Form 1	449/P	то		Comp	olete if Known					
l ir	VEOR	ΤΔΝ	TION DISCLOSU	IRE	Application Number	10/663,167					
آخ ! در/ ا	,				Filing Date	September 15, 2003					
	STATE	ME	NT BY APPLICA	NT	First Named Inventor:	Harry Bims					
	_ S) (c	ise as r	nany sheets as necessary)		Art Unit	To be assigned 2617					
K30V 1 0 20	13 E		,		Examiner Name	To be assigned INDER MEHRA					
Žali i sa	······································		5		005878.P012X						
Sheet	A		of	1 3	Attorney Docket Number	003878.P012X					
MADENIN	U.S. PATENT DOCUMENTS										
Examiner	Cite No.1			Publication	Name of Patentee or	Pages, Columns, Lines, Where					
Initials*			Document Number	Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear					
	Num		ber-Kind Code ² (ii known)	·		rigules Appear					
IM		US-	2002/0075825 A1	06-20-2002	Hills et al.						
IM		US-	2002/0060995 A1	05-23-2002	Cervello et al.						
IM		US-	2001/0024953 A1	09-27-2001	Balogh	•					
IM		US-	6,259,898	07-10-2001	Lewis						
IM		US-	6,097,707	08-01-2000	Hodzic et al.						
IM		US-	6,130,896	10-10-2000	Lueker et al.						
IM		US-	6,137,791	10-24-2000	Frid et al.						
IM		US-	6,137,802	10-24-2000	Jones et al.						
IM.		US-	6,243,581	06-05-2001	Jawanda						
IM		US-	6,253,082	06-26-2001	Hengeveld						
IM		'US-	6,285,665	09-04-2001	Chuah						
IM		US-	6,452,915 B1	09-17-2002	Jorgensen						
IM -		US-	6,501,582 B2	12-31-2002	Chiou et al.						
IM	• • •	US-	6,522,880 B1	02-18-2003	Verma et al.						
IM		US-	6,556,547 B1	04-29-2003	Srikanth et al.	<u> </u>					

		·	FOREIGN PAT	TENT DOC	UMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Docum	Date	A	Name of Patentee or Applicant of Cited Document			Pages, Columns, Lines, Where Relevant Passages or Relevant		T.
.	•	Country Code' Number' Kin	nd Code' (if known)	~	•			Figures A	opear	
		· .								
							:		•	
					•				•	
		•			•		7			
										

Examiner	/Inder Mehra/		Date Considered	
Signature		•		08/21/2006

*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: C mmlssioner for Patents, P.O. B x 1450, Alexandria, Virginia 22313-1450.

If you need assistance in c mpleting the form, call 1-800-PTO-9199 (1-800-786-9199) and select pti n 2.

Substitute	frFrm1	449/P	го	•	Comp	lete if Known	
	MEORN	πΔη	TON DISCLOSU	IRF	Application Number	10/663,167	
\(\frac{1}{2}\)					Filing Date	September 15, 2003	
	STATE	MEI	NT BY APPLICA	NT	First Named Inventor:	Harry Bims	
.m. 1 1 2			nany sheets as necessary)		Art Unit	To be assigned 2617	
KINA	ି <u>ଅ</u>				Examiner Name	To be assigned IND ER MEHRA	
The stage			of	5	Attorney Docket Number	005878.P012X	
- CONTRACTOR OF THE PARTY OF TH			11.6	DATENT DOG			
			<u> </u>	PATENT DOC			
Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (If known)		Publication Date	Name of Patentee or Applicant of Cited Document		
				MM-DD-YYYY		Figures Appear	
IM		US-	2002/0188723 A1	12-12-2002	Choi et al.		
IM	<u> </u>	US-	2002/0167965 A1	11-14-2002	Beasley et al.		
IM	<u> </u>	US-	2002/0131386 A1	09-19-2002	Gwon		
	<u></u>						
	.			,	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
			 	·	<u> </u>		
					·····		
		-	· · · · · · · · · · · · · · · · · · ·				
			*				
· · · · · · ·	- · · · · ·	\vdash			· · · · · · · · · · · · · · · · · · ·	-400	
· · · · · · · · · · · · · · · · · · ·							
						÷ .	

		FO.	REIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code' Number' Kind Code' (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
		·				
				· · · · · · · · · · · · · · · · · · ·		

Examiner	/Inder Mehra/	 Date Considered	08/21/2006
Signature	/Inder Menta/	•	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the f rm, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitut for Form 1449/PTO				Complete if Known				
INFORMATION DISCLOSURE				Application Number	10/663,167	10/663,167		
USTATEMENT BY APPLICANT				Filing Date	September 15,	September 15, 2003 Harry Bims		
				First Named Inventor:	Harry Bims			
				Art Unit	To be assigned	To be assigned 2617		
20V 1 0 2000 2				Examiner Name	To be assigned	To be assigned INDER MEHRA		
Sh t		of	5 .	Attorney Docket Number	005878.P012X			
MADENARY			NON PATENT LI	TERATURE DOCUMENTS				
Examiner (Cite I	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					T²	
	BAHL, Paramvir and PADMANABHAN, Venkata N., "RADAR: An In-Building RF-based User Location and Tracking System," Proceedings of IEEE INFOCOMM 200, March 2000, pp. 775-784.							
	Li	Lucent Technologies Inc., Orinoco Manager Suite – User's Guide, November 2000 MESSIER, Andrew et al., "Performance Monitoring of a Wireless Campus Area Network," Local Computer Networks, 1997, Proceedings, 22 nd Annual Conference on November 1997, pp. 232-238 PCT International Search Report mailed April 15, 2003 for International Application No.: PCT/US03/00783 (4 pages)						
		CT Internation CT/US03/0782		mailed April 25, 2003 for Int	ernational Applicat	ion No.		
Purious	cal	1						
Parido			f .					
							·	
	٠.						· .	
			•				. ,	
Examiner Signature		/Inder	Mehra/		Date	08/21	/2006	

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.